

Request for quotation (RFQ) from Indian OEM or its authorized Indian Distributor for the procurement of a femtosecond pulse picker accessory unit (Last Date for submission of tenders: 6th October'2023)

REF: PH/ASIN/002/2023-24

14th September'2023

A request for quotation from Indian OEM or its authorized Indian distributor for a femtosecond pulse picker accessory unit on **FOR Bangalore basis with value quoted in INR**. The quotation should clearly indicate the terms of delivery, delivery schedule, E.D., transportation charges, if any, payment terms etc. Kindly submit the quotation latest by 6th October'2023 to Department of Physics, IISc.

With respect to this tender, the rules laid out by the Government of India in order No. P45021/2/2017-PP (BE-II) issued by the Public Procurement Section, Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, dated 04th June 2020, will be followed. Per this order, the government has defined a 'Class-I local supplier' as "a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%". A 'Class-II local supplier' is "a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%". Only 'Class-I' and 'Class-II' local suppliers are eligible to participate in this open domestic tender. Any 'Non-local supplier', i.e., "a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%" is ineligible to participate in this tender.

Please enclose a compliance certificate along with the bid. This certificate should have a table that should describe your compliance in a "Yes" or "No" response against each of the items in the specifications listed below. If "No", the second column should state the extent of deviation. The third column should state the reasons for the deviation if any. Please enclose a compliance statement along with the technical bid. Bids with no statement of compliance will be considered invalid, and will be disqualified.

Specifications of Item: femtosecond pulse picker accessory unit with the following specifications:

- 1) The type of pulse picker should be Bragg or Pockel cell type.
- 2) The material of pulse picker: for Bragg cell, should be SiO₂ or TeO₂; for Pockels cell, should be KDP or BBO.
- 3) Wavelength range: 690-1040 nm. A larger tuning range is also acceptable.
- 4) Can pulse pick a femtosecond oscillator laser with repetition frequency: 80 MHz.
- 5) Output with External Control/Trigger: 100 KHz to 8 MHz. A larger frequency range is also acceptable.
- 6) Should be able to accept the electronic output of a mode-locked laser for triggering pulse picking operation up to 8 MHz. This is critical to prevent phase drift between laser pulse train, and electrical gate pulses (from pulse picker). Mention the type of electrical trigger needed.
- 7) Output Frequency with internal oscillator: 100 KHz to 40 MHz. A larger tuning range is also acceptable.
- 8) Internal Frequency Division Ratio: 2 to 1000. A larger range is also acceptable.
- 9) Efficiency > 35% for 8 MHz operation, > 40% for 2 MHz operation.
- 10) Contrast Ratio: > 75:1 to adjacent pulses, 500:1 for non-adjacent pulses.
- 11) Input polarization of laser: Vertical. Horizontal polarization is also acceptable along with polarization rotator.
- 12) Maximum Input power: > 3 W
- 13) Completely automated operation of pulse picker. Appropriate computer software should be included. Additionally, Lab-View compatibility and appropriate sub-VI files should be provided.
- 14) All associated electronics for electrical pulse generation, amplifiers etc. should be included for complete operation of the pulse picker.

- 15) All appropriate air/water cooling units for pulse picker should be included.
- 16) Related components such as necessary software, connectors, adapters, cables etc. necessary for independent operation of the accessory unit should be included.
- 17) Operating voltage: 220 VAC, 50Hz.
- 18) Installation should be performed on site.
- 19) Warranty \geq 1 year from date of installation.
- 20) The vendor should have a track record of having supplied three similar equipment (pulse picker units) in India in the last five years (please furnish the details). It would be desirable to provide 2-3 reference letters from customers in India/abroad.
- 21) Please include pictures of the exact model being offered.
- 22) Please provide technical datasheets and graphs of actual device performance.

Options (please quote separately):

1. Additional 1-year warranty (for a total of two years). Clear coverage scope to be mentioned.
2. Additional 2-year warranty (for a total of three years). Clear coverage scope to be mentioned.
3. Input polarization to be horizontal via optional polarization rotator.

Terms and conditions:

1. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
2. Quote to be from Indian OEM or its authorized Indian Distributor and in commercial terms quote should be FOR-IISc Bangalore basis in INR.
3. The payment will be through “net 30 days after delivery and installation”, as per IISc rules.
4. The lead time for the delivery of the equipment should not be more than 4-5 months from the date of receipt of our purchase order.
5. The offer shall be valid at-least 60 days from the date of opening of the bid.
6. The vendors quoting should ideally be registered with IISc, and the quote should ideally carry the vendor registration number in the bid.
7. The covering letter in the bid should clearly mention whether the vendor is a ‘Class I’ local supplier or a ‘Class II’ local supplier, failing which the vendor will be automatically disqualified. The vendor should indicate the percentage of the local content and provide self-certification that the items offered meet the minimum local content requirement. They should also give details of the location(s) at which the local value addition was made. Any ‘Non-local supplier’, i.e., “a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%” is ineligible to participate in this tender.
8. Bidders offering imported products will fall under the category of non-local suppliers. They cannot claim themselves as Class-1 local suppliers/Class-2 local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.
9. Purchase preference as defined by the recent edits to GFR (within the “margin of purchase preference”) will be given to the Class-1 supplier.
10. MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such details.

Yours Sincerely,



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